

Exploring the Extreme			
2007 Science			
Model Content Standards			
Colorado Science			
Grades K-2			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	CO	SCI.K-2.1.2	students will ask questions and make predictions
Finding the Center of Gravity Using Rulers	CO	SCI.K-2.1.3	conduct simple experiments using tools and technology (for example: computers, thermometers, magnifiers, rulers, balances)
Exploring the Extreme			
2007 Science			
Model Content Standards			
Colorado Science			
Grades 3-5			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	CO	SCI.3-5.1.1	design, plan and conduct a variety of simple investigations (for example: formulate a testable question, state a hypothesis, make systematic observations, develop and communicate logical conclusions based on evidence)
Finding the Center of Gravity Using Plumb Lines	CO	SCI.3-5.1.1	design, plan and conduct a variety of simple investigations (for example: formulate a testable question, state a hypothesis, make systematic observations, develop and communicate logical conclusions based on evidence)
Changing the Center of Gravity Using Moment Arms	CO	SCI.3-5.1.1	design, plan and conduct a variety of simple investigations (for example: formulate a testable question, state a hypothesis, make systematic observations, develop and communicate logical conclusions based on evidence)
Changing the Center of Gravity Using Moment Arms	CO	SCI.3-5.2.1	objects have physical properties that can be measured (for example: length, mass, volume and temperature)
Jet Propulsion	CO	SCI.3-5.1.1	design, plan and conduct a variety of simple investigations (for example: formulate a testable question, state a hypothesis, make systematic observations, develop and communicate logical conclusions based on evidence)

Vectoring	CO	SCI.3-5.1.2	select and use appropriate tools and technology to gather and display (for example: graphs, charts, diagrams) quantitative and qualitative data related to an investigation (for example: length, volume, and mass measuring instruments, thermometers, watches, magnifiers, microscopes, calculators, and computers)
Center of Gravity, Pitch, Yaw	CO	SCI.3-5.2.1	objects have physical properties that can be measured (for example: length, mass, volume and temperature)
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2007 Science			
Model Content Standards			
Colorado Science			
Grades 6-8			
Activity/Lesson	State	Standards	
Jet Propulsion	CO	SCI.6-8.1.2	use appropriate tools, technologies and metric measurements to gather and organize data and report results
Vectoring	CO	SCI.6-8.1.6	communicate results of their investigations in appropriate ways (for example: written reports, graphic displays, oral presentations)
Vectoring	CO	SCI.6-8.5.4	models can be used to predict change (for example: computer simulation, video sequence, stream table)
Center of Gravity, Pitch, Yaw	CO	SCI.6-8.5.4	models can be used to predict change (for example: computer simulation, video sequence, stream table)